

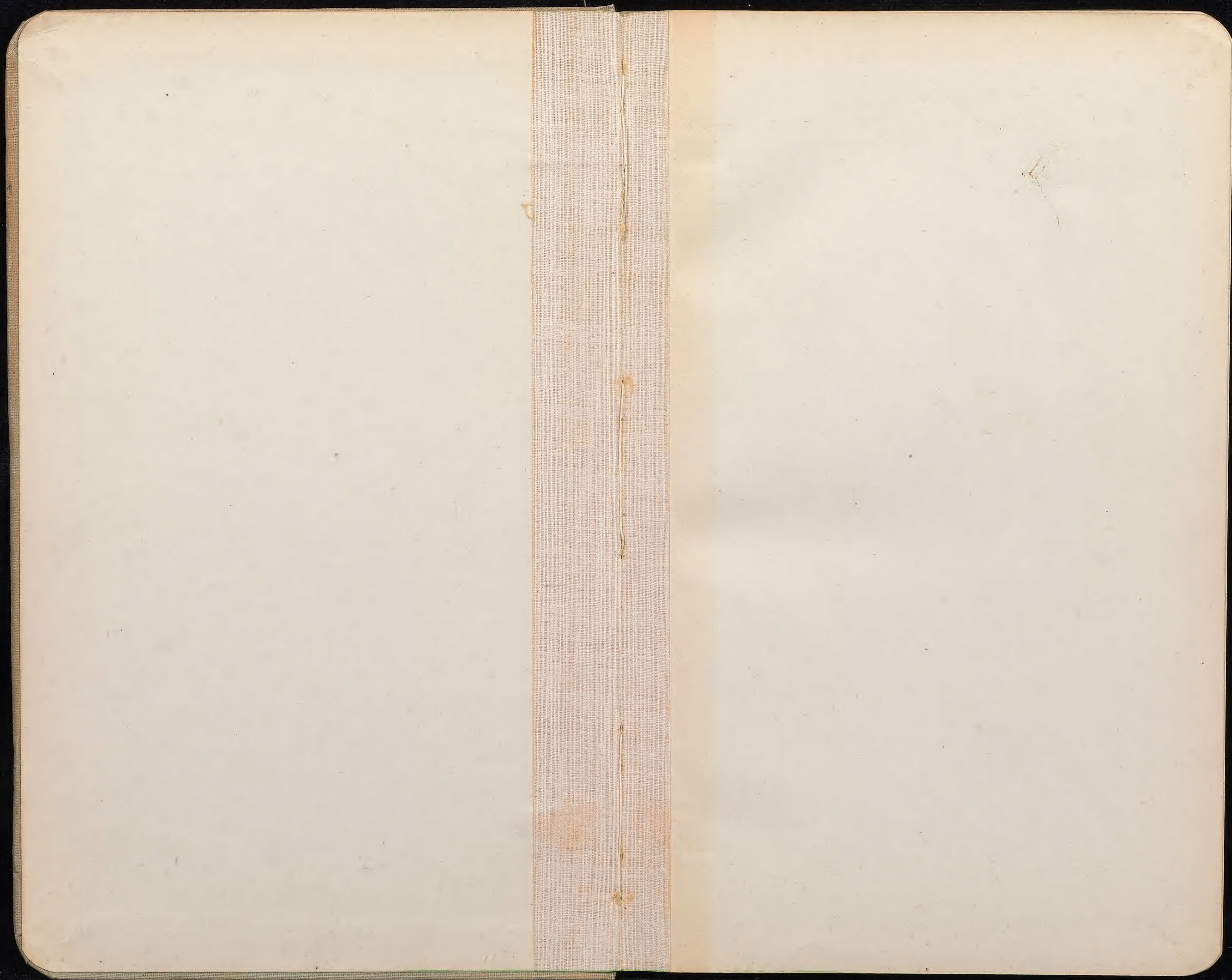
A.S. Hitchcock

1923

21467-22042

~~Expenditure~~

40



Continued from back 35
Lupa w. stream (San Juan)

21467

Moist bank - herb. fr. white

Bromus pitensis

21468

Bromus

Trachypogon montifera

21469

Trachypogon

Dry slope

21470 *Panicle*
fls dull red

21471 —
Shrub — green and rose

21472 *Bayonet*
more bark

21473 *Julia*

21474 *Mallow*
Shrubs — 8 ft fls white

21475 *Composit*
fls white

21476 *Incaian*
Open ground. fls white

21479 *Orchid*
Tropical fls green

21477 *Pennisetum*
Grassy hillside. *intestum* n. sp.
Pennisetum angustiflorum n. sp.

21480 *Polygonum*

21478 *Lamprothyrus peruvianus*
Orchidaceae
Dry slope - large clumps.

21481 *Andropogon lateralis*
Grassy slope

21482 *Pennisetum tristachyum*
Pennisetum
dry slope

21483 *Axonopus (Paspalum matthewsi)*
Axonopus
dry slope

21484 *Eragrostis pastoensis*
Eragrostis

21485 *Unchul*
Open clay slope

21486 *Chaetochloa geniculata*
Chaetochloa geniculata
Open clay slope - small purple

21487 *Briza mandoniana*
Briza - Poa
ditto

21488

ditto

Bromus unioloides
Bromus

1

21489

ditto

Andropogon hirtiflorus
Andropogon

✓

21490

Woodward
orange-red

Orchid

fls red-lips

11

21491

Many

Paspalum cerasia
Paspalum
shrub

21492

Coriander
lvs orange

21493

Legume
fls orange-red
Along hedge (A. g. m.)

Solanum elaeagnifolium ^{Bitter} ^{Morton}

21494

Passiflora
fls dull red
Along ridge

21497

Solanum glaberrimum
Along ridge (upam)
fls lilac

21495

Paspalum ~~*sp. holosericeum*~~
Paspalum
Along ridge

21498

Solanum
3-4 ft - along wall & in fields
fls white.

21496

Plumbago
fls blue - 5 ft straggling
Along ridge

21499

Lalage
3-5 ft fls pale scarlet

San Luis to Cien - Sept 7 - mostly out
pinnules, San Luis 8300, first pass 9200, 2nd pass
21500 10500, 3rd pass 10300, Cien 5100 ft. from
river valley 7400

Liliac
moist slope fs white

21501 *Asophila quadrifinnata* (Gmel.)
C. Chr.

Rich moist woods
no trunk - from 5 ft. from
ground usually

21502 -
Shrub - rich woods - fs white

Lycopodium contiguum Kl.

21503 *Lycopodium* 00119

Moist bank

Lycopodium herbaceum (Spring)
Hieron

21504 *Lycopodium*

Moist slope

21505

Liliac
climbing high - fs scarlet

21506 *Cortaderia columbiana* /

Pampas grass leaves soft
in high altitude grassland
north

21507 *Alfalfa*
Shrubby or climbing much
branched. fls yellow with
brown veins

21508 *Tagetes* / 11
fls yellow

21509 *Rubus*
Wet woods

21510 *Quercus*
fls red

21511 *Arctostaphylos* /
herbaceous - fls green

21512

Festuca procera
F. procera

1

21513

Small tree, fls white

21514

Eupatorium
Shrub 5 ft fls purple

21515

Psilogramma elongata
(Hook. & Grev.) Kuhn.
Fern
Shady bank

21516

Eucalyptus
Shrub 3-4 ft fls pale
purple

21517

Struthiopteris Buchtienii (Rosenst.)
maxon
Fern
Large clumps, fronds dark

21518

Shrub or tree

fls white

21519

Orchid

fls yellow
lip brownish (4 milia each of
outer petals)

21520

Orchid

Same as 21519
leaves shrubby

21521

Lycopodium

21519

21522

Compositae

21519

Tall herb - 10 ft
yellow fls greenish

21523

Stipa

21519

Open ground

21524 *Danthonia secundiflora*
Danthonia
grassy

21527 *Reanuth*
Shrub - 3-6 ft fls yellow
& pale red

21525 *Compositae*
Shrub, 10 ft fls white

Paspalum pallidum
21528 *Paspalum*
Bank

21526 *Compositae* (white)
Bank
Low Shrub

21529 *Lobelia*
Shrub - 6-10 ft fls scarlet
to crimson

21530

Danthonia secundiflora
Danthonia
Parana

21531

Briza mandoniana
Poa
Parana

21532

Calamagrostis planifolia
Calamagrostis
Parana

21533

Calamagrostis humboldtiana
Calamagrostis
Parana

21534

Agrostis humboldtiana
Agrostis
Parana

21535

Calamagrostis humboldtiana
Calamagrostis
Parana

21

21536

Paspalum boisselanium
Paspalum
 Panama 9200 ft

21539

—
 Panama - fls greenish-yellow

21

21537

Tree 20-40 ft
 Panama

21540

L. alba
 Small shrub - fls white

21

21538

Eupatorium
 Shrub - 4 ft Panama - 9200

21541

L. alba
 growing much 15 ft
 fls smaller

21542

Shrub - fls yellow-green
Paramo

21543

Compositae?
Paramo - fls white

21544

Ericaceae
Shrub - 3-4 ft - Paramo
fls pink

21545

Lobelia
Tall herb, damp woods, fls
pale yellow.

21546

Ericaceae
Shrub - 4-5 ft fls white
Paramo

21547

Ericaceae
Shrub 2-3 ft, fls pink
Paramo

21548

Shrub 3-5 ft fls dull red
 paramo

21549

Compositae
 Paramo

21550

Shrub 3-5 ft fls purple-
 black. paramo

21551

Poilogramme n. sp.
 Fabaceae
 Paramo

21552

Cyperaceae
 Paramo

21553

Calceolaceae
 Rich woods fls tawny
 yellow 8-12 ft
 Paramo

21554

10 ft

Compositae
rich woods

21555

10 ft

Compositae
fls yellow

21556

near

Cyperus
place

21557

Wet

Poa aequatoriensis

Poa

place

21558

Shrub 5 ft fls green
Common upper leaves white

21559

Margarita
open ground fls white

Viola arguta HBK.

21560

Impatiens
3 ft fls scarlet

21561

Viburnum
Tree - 30 ft fls white

21562

Silene
An tree fls blue

21563

Compositae
Shrub - 10 ft fls white
about 1000 ft

21564

Compositae
Parasitic Rays yellow

21565

Fern
Moist bank

21566

Shrub 5 ft
Eriosema

21567

Shrub
Parsonsia

21568

Arboreal - 4 ft greenish
white
Parsonsia

21569

Shrub - Parsonsia

21570

Shrub 5-10 ft
white
Coriaria

21571

Shrub. Infl red
fls creamy white
Tillandsia

21572

Lycopodium complanatum L.,
var.

Bank, parana

21573

Shrub - 3-6 ft. fls
white - pink tinged
Parana

21574

Orchid
unusual fls yellowish
green, lip yellow

21575

Shrub - 5 ft. fls bright rose
parana

21576

Melastoma
fls white

21577

Shrub - 6 ft fls white

21578

Solanaceae
Shrub at Otta fls white

21581

Solanaceae
Shrub or small tree, fls dark
purple (almost black)

Otta to "Roadside Inn" - Sept. 9.
 "Roadside Inn" = a camping place on the paramo
 about half way to Luenca - alt. 11100 ft (3363m)
 Collections mostly on paramo and woods
 just below 9000-11000 ft. (Otta 8100 ft)

21579

Compositae
Open moist bank, rays purple

21582

Sapindaceae
Much-branched shrub, 2-8 ft.
common on dry slopes in the high
river valleys - often dominant.

21580

Solanaceae
Shrub, much erect branches
10-15 ft. fls dark white
tube creamy

21583

Mistecae
Shrub or small tree, fls white

21584

Small tree

21585

Liliaceae

an tree - fls blue

Same as a preceding number

21586

Liliaceae

an tree

21587

Shrub, 4 ft. fls numerous - *Desmodium*

21588

Compositae

Shrub - much branched - fls white

756 ft

21589

Compositae

Shrub - much branched - pinkish
silvery white - 4-6 ft.

21590

Stipa brachyphylla
 Open ground - paramo

21591

Eragrostis pastoensis
Eragrostis
 Open ground - paramo

21592

Hypericum
 Shrub 2-4 ft. fls. yellow
 Dry ground

21593

Agrostis virescens
Agrostis
 Paramo

21594

Rubiac
 Small shrub - up to 2 ft.
 fls. white

21595

Compositae
 Shrub - 1-2 ft. round stem
 fls. white

21596 Polygonaceae?
Shrub - creeping or spreading
fls white

21597 Tillandsia
Climber - on tree (3 ft) - large
cluster basal leaves - fls blue-purple

21598
Parsons - fls in clon. flat head
white

21599 Eupatorium
4-5 ft. Above narrow
parcels - 11/100 ft fls white

21600 Compositae
5-6 ft - daisy - fls yellow

21601 Opuntia
more place - daisy fls (yellow)
with brown veins

Lolium temulentum aruense

21602

Lolium temulentum

Ward - ditto -

Fuchsia Hitchcockii Johnston n.sp.

21603

Fuchsia

Shrub 3-5 ft. fls scarlet
pendulous

21604

Parsonsia - fls yellow, lobes
brown-cream edged.

Stipa inconspicua

21605

Nassella

Parsonsia.

21606

Shrub - 8 ft - fls dark blue

21607

Berberis.

Shrub - 3-6 ft fls orange-
yellow

21608

Cornus

Clay-like, or vine-like
Much branched

1

21609

Calceolaria

2-3 ft - fls yellow

"Roadside Inn" to Cuenca - Sept 10.

Mostly on paramos 9-11000 ft.

Roadside Inn (see Sept. 9) 11100 ft, Cuenca 8700

Cultivation on paramos and woods just below

21610

2727-11500 (highest point)
3484m

Tillandsia

Side of rocky cliff. fls pink-
purple

21611

Datura

Small tree along a road
Flowers white-pinkish

21612

Passiflora

Vine fls magenta, but some
purple(Observed same north of Quito
(high altitude above Malabogui))

21613

Orchid

On grassy a high wood
fls yellow spotted with brown
3 narrow petals unspotted

21614

Scrub
3 ft fls yellow

21617

Large shrub

fls orange-red

cf 1636

21615

Common Euphorbia
Shrub 8 ft fls white, clusters
more or less pendulous branches
mostly erect.

21618

Shrub - 6 ft fls red-tipped yellow

21616

Decid
Shrub - 6 ft fls orange-redI think I have this in a
preceding number.

21619

Cortaderia nitida
Cortaderia?
Open bank in woods

21620

Berberis

Shrub with few upright branches
3-4 ft. fls orange-red

21621

Compositae

Shrub with few branches - woolly white
fls white

21622

Shrub

5 ft

fls white

21623

Shrub on small tree 8-15 ft
fls red-orange

21624

Shrub, 4 ft much branched &
unifoliate, fls. rose tinged with
white

21625

Compositae (Hieracium)
moist bank fls yellow

21626

Solanum
fls blue

Polypodium moniliforme Kag.

21627

Poa
Paramo among grass

Briza mandoniana

21628

Poa
Paramo

21629

Eupatorium
Rich woods, 3-5 ft. fls white

Poa pardoana

21630

Poa
Main woods

Agrostis humboldtiana

21631

Agrostis
Main woods

21632

Trinichloa stipoides /
Stipa

more woods.

21633

shrub 10-15 ft fls white

21634

Eupatorium

Shrub 8 ft

21635

Ruellia

Small spreading - Panamian - fls
white

probably have this from
Zulema Panamian

21636

Tree 40 ft - fls orange-red

cf. 1617

Dicranopteris simplex (Hook. & Maxon)

21637

Tree

Panamian - small bank

Jamersonia imbricata (Cav.)

Hook. & Grev.

1/1

21638
Paramo, among grass

Buzia mandoniana

21639

Paramo

21640

Hypochaeris
Paramo among grass
fls yellow

21641

Hypochaeris
Paramo fls yellow

Agrostis pittieri

21642

Paramo

Agrostis virescens

21643

Calamagrostis
Paramo

21644

Arctid
 Semiserial - Paramo - fl. yellow

21645

Compositae
 Paramo among grasses yellow

21646

(Dasyleria-like)
 Paramo - scattered on grassy
 hills - as much as 12 ft. high
 cluster of leaves at base - fls.
 pale greenish blue - some
 on Tuleau Paramo among
 prelija.

Agrostis humboldtiana

21647

Agrostis
 Paramo

21648

Polygonaceae
 Shrub creeping over bare soil
 as much as 15 feet

21649

Urticaria
 Paramo fls. many black

21650

Indac
Paramo - fls yellow

21651

Indac
Paramo fls blue

21652

Calamagrostis bogotensis
Calamagrostis
Paramo

21653

Cyperus
Paramo

21654

Calamagrostis tarmensis
Agrostis
Paramo

21655

Verbena
Paramo - fls lavender-blue

21656

Compound
 Parnassia - scabrous - fls
 white

21657

Arched
 Parnassia, warty
 fls green

21658

Compound
 probably same as 21655
 Parnassia

21659

Grazing
 Parnassia

Cuenca to Huagra - Sept 12

Cuenca ^{2636m} 5700 - 1st Parnassia ^{3545m} 11700 - 1st valley ^{2879m} 9500
 Tambo ^{3000m} 9900 - sleeping place (hut on Parnassia) ^{3330m} 11000.
 mostly through cultivated valleys - Colchagua mostly
 from woods below Parnassia 9-10000 ft - & from
 Parnassia ^{3030-3333m} 10-11000 ft. ^{2730-3030m}

21660

Polegal?
 fls dark blue - woods of
 upper slopes

21661

Aster
 Parnassia fls white
 short 1-3 ft.

21662 *Conocarpus*
Shrub - 3 ft - panicles
fls whitish.

21663 *Solanum*
Shrub 5 ft - fls white
Mounts of upper slopes

21664 *Eupatorium*
Shrub - 6 ft - fls white
Mounts of upper slopes - 1000 ft

21665 *Conocarpus*
Shrub - 6 ft - pink-purple fls
Mounts of upper slopes - 1000 ft

21666 *Ruellia*
Vine - fls pinkish
Mounts of upper slopes

Fuchsia apiculata Johnston n.sp.
21667 *Fuchsia*
Shrub - 4 ft - fls scarlet
Mounts of upper slopes

21668

Lobelia

1

10-15 ft - fls pale yellow
 on greenish yellow - woods of upper slopes
 seems to be same as species of north
 Ecuador.

21669

Tree - fls greenish yellow
 Woods of upper slopes

21670

Talamanca

Wet, at Belkian - fls white,
 3-4 ft

Cheraca to Loma - Sept 13, Paramos
 and woods of upper slopes.

21671

Talamanca

In tree - fls. pink

21672

Talamanca

On tree - Infl. red, fls light
 purple - 2 ft. suberect

21673

Lily

Climbing shrub base
 fls rose-lavender with green tips

21674

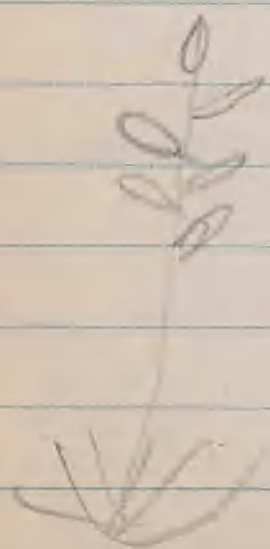
Platanus
 most shrubby - in fruit

21675

Illice
 Clusters of leaves at base - fls
 stem 4 ft. Spine of leaf & of branch
 on lower part of stem. fls bluish
 green

21676

Tillandsia
 Core brn. Inf 3 ft. Spikes
 a single branch - above nodose
 branches. Inf dull red
 fls lilac



21677

Melastomaceae
 Tree - 40 ft fls blue-purple
 light

21678

Melastomaceae
 Herb - vine - climbing fls vermilion

21679

Lily
 Climbing small fls - fls dark
 reddish

21680

Lili
 Clusters of fls. 2-3 - out
 petals pale green - inner yellow
 with brown spots.

21681

Lili
 Simple stem, fls. 2-3 - out
 common

21682

Festuca procera
Festuca
 More common

21683

Tree - 30 ft - fls. rose-crimson

21684

Balsam
 Tree fls. red

21685

Mintzelia
 Shrub - 2-3 ft fls. orange

21686

Peperomia
Am. tree

21687

Tillandsia
Quebr. Infr. umbellata
fls blue-purple

21688

Tillandsia
Rinde der hülse der hülse
fls white scarlet
Stems 4-6 ft fls scarlet*Calamagrostis humboldtiana*

21689

Calamagrostis
Paramo*Cortaderia columbiana*

21690

Cortaderia
Paramo*Agrostis virescens*

21691

Agrostis
Paramo

21692

Paramo

Vicia
fls blue

21693

Acanth
Shrub 1-2 ft Paramo
fls red

21694

Compositae
at Paramo 1 ft - fls
yellowish becoming purplish

21695

Boragin
Shrub 3-5 ft fls orange-red

21696

Eupatorium
4-6 ft - fls purplish

21697

Malvaceae
Tree - 13 ft fls rose with darker
stripes. Cultivated at Tambo

21698

Besleria

Shrub in small tree 8-15 ft
fls yellow-orange

21699

*Guadua**Bambusa*

Common in woods here not
in flower. Same as small
1 inch thick. 20 ft high

21700

Alchihua

Low ground - fls yellow
The top white (nearly) in center & dull
purple

21701

Quercus (Fusca?)

Shrub - 3-4 ft fls orange-scarlet
leaves - rather dry, dullish

21702

Cuscuta

Calyx purple corolla white

Amato - Sept. 21 - along railroad toward
Pikamba

Echeveria sprucei (Baker) Morsem

21703

Crassulac.

Dry hill, fls scarlet. Stem 1 foot

Chaetochloa cernua

21704

Chaetochloa

Common on dry slopes - large
mounds

21705

Tillandsia

On dry slopes + cliffs on ground.
A large tangled mass. Old stems
2-3 feet long. fls rose- or dull
scarlet

21706

Legume

Dry slopes, short, sprawling
much branched, 2-4 ft
fls rose-purple & whitish,

21707

Melilotus

Out of Ry. fls yellow

21708

Labiata

Dry slopes - dry slope
fls blue

21709

Stipa

Stipa ibaricensis

Dry slopes

21710

*Paspalum humboldtianum*Paspalum
Mud in alfalfa field.
Rhizomes

21711

*Bromus pitensis*Bromus
Cut 1/2 Ry

21712

*Polypogon elongatus*Polypogon
along irrigation ditch

21713

*Andropogon saccharoides parvifolia*Andropogon
Cut 1/2 Ry

21714

*Agropyron attenuatum*Agropyron
along irrigation ditch

21715

*Cenchrus echinatus*Cenchrus
Sandy slope

21718⁶ *Stipa ibarrensii* /
Cut of Ry *Stipa*

21717 *Rubus*
Low shrub - 1 foot. fls white
dry ground.

21718 *Bromus pitensis*
Bromus
Same as 1711 but smaller
poor

21719 *Stipa ibarrensii* /
Dry slope *Stipa*

21720 *Sapindus*
Shrub - 3 feet. Common on dry slope.

21721 *Epilobium*
Spongy place. Long narrow leaves
lower part of stem, fls purplish
white

21722

Scirpus
Spongy place

21723

Mimulus?
Spongy place, fls yellow

21724

Eragrostis lurida
Quercus
Sandy cut along Ry. Common
on walls and in open ground

21725

Umbellif
Spongy place

21726

Lauraceae
Shrub 4-5 ft. fls purple
w/pt mid white
More green near river

21727

Solanum
Shrub 3-5 ft. More green
near river, fls greenish white
Disagreeable odor to plant

21728 *Eragrostis lurida*
= 1724 A common
compact-panicle form

21729 *Amaranthus*
Sandy soil along R.

21730 *Chusquea*
Sandy soil along R.

21731 *Cenchrus*
Sandy soil along R.

21732 *Euphorbia*
Sandy soil along R.

21733 *Euphorbia*
ditto

21734

Compositae
Sandy slope fls yellow

21735

Leguminosae
Forms ash. thick mats
2-3 ft across in sandy soil
fls blue

21736

Cyperaceae
Sandy soil along by

21737

Verbenaceae
Mats on sandy soil fls white

21738

Asteraceae
Sandy ground fls yellow

21739

Verbenaceae
Mats on sandy soil
fls lilac

21740

Lobelia
Mats on sandy bank

21741

Sporobolus elongatus
Sporobolus
Sandy soil

21742

Eragrostis nigricans
Eragrostis
Wet in garden

21743

Coriaria
3 ft. yellow
Barry dry slope in ravine

21744

Coriaria or *Fumaria*
Wet in garden

21745

Stipa ifarrensensis
Stipa
Dry ground

21746

Clusia

Tree 20 ft. Growing
in ground, normal
selvada but from wild
plants. fls white

21747

Artemisia

Dry slope. Shrub 1-2 ft.
Aromatic.

21748

Miconia

Same slope - abundant
probably introduced. Also near
by indicating old residence.

Baños - Collected at Cashuro and
between Cashuro and Baños. Cashuro is a
21749

Paspalum

Open slope

Paspalum jurgonsii

Does not look quite
like *P. paniculatum*

from Baños and 2 hours from
Mera. Good trail ends here. Very
bad trail from Cashuro to Mera
Tropical woods at Cashuro (1300 m)
and some distance west. Valley
of Pastaza river.

Sept. 25

Fuchsia glaberrima Johnston n.sp.

21750

Ruellia

Shrub. fls red

Ischaemum latifolium

21751

Ischaemum (latifolium)

Common on open slopes

21752

Axonopus scoparius

Open slope

21753

Shrub or small tree - 15 ft. fls. white

21754

Orchid

Tender, along cliffs and
rather dry banks - no bulb - noticed
below. 3-5 ft. fls. lilac & dark
lilac*Ischaemum latifolium hirtivaginum*

21755

Ischaemum
fls. same as 1754 but
has different aspect.*Isachne arundinacea*

21756

Isachne
Bushy moss bank. Panicle.*Ischaemum latifolium hirtivaginum*

21757

Ischaemum type
= 1755?

21758

Rhynchospora
marshy bank

21759

Arcland
Yuccifolius - Arcland & Arcland
slender - root pulb. fls pink purple
2-4 ft 1 ft branching inflores

21760

Curatella
Small tree - 20 ft, fls blue

21761

Paspalum saccharoides
Pasp. saccharum
marshy slope in marshy place

21762

Pennisetum bambusiforme
Pennisetum
Common in marshy slopes

21763

Pteris coriacea Desv.
Pteris
Wet woods

21764 *Dennstaedtia obtusifolia* (Willd.)
moore
Fern
moor

21765 *Pteris kumzeana* Ag.
Fern
moor

21766 *Dryopteris submarginata* (L. & F.)
C. Chr.
Fern
moor

21767 *Polypodium fraxinifolium*
Jacq. (same lat.)
Fern
moor

21768 *Balsamorhiza*
Herb vine fls scarlet with
green tips on lobes

21769 *Geranium*
fls on prostrate log.
Salmon

21770

Lysichiton

11

Slender 5 ft. fls in globose
masses with red bracts - fls creamy
mass is gelatinous yellow

Arundinella berteroneana

21771

Arundinella

Open gravelly banks

21772

Cyperus

fls rose-red for much
soft spines

21773

Resurrection

2-3 ft fls red in subcapitulum

21774

Canna

11

moist woods fls orange-salmon

Sasidcis sorghoidea

21775

Lanalis

from woods looks more
like *muscofolia*

281
28
281

(Scrophulariaceae) Escobedia foliolosa Pennell

21776

cliff type

~~Solanum~~

2-3 ft

fls white

111

21777

Bignoniaceae?

Herb stem erect, 8 ft, simple
fls white. inflorescence large

3 specimens from one

Probably same as *Passiflora muricata*
fruit (3-winged)

21778

shrub

Compositae

fls light purple

21779

Malvaceae

moist woods

fls pink

21780

Malvaceae

2-3 ft

fls purple

Euchria scabrinervis Benth

21781

shrubby

~~Leguminosae~~

5 ft, fls scarlet

21782 Begonia?
Probably same as 1777

21783 Begonia
near cliff

21784 Melastomaceae 117
fls pink, moss bank

21785 Salween ^{hirsutissimum Standley}
5-6 ft fls white. Will ^{Morton}

21786 Begonia 117
on tree mossy woods

21787 Salween 117
4-6 ft fls white throat
with purple. May be introduced
from Japan. Along and along
ways. Grows path along trail
in forest. The fruit globose
above thick, ribbed with purple
aril-like lines. 2 lobes diam.
Used by Javanese, drunk. Called
Naranggila (little orange)

21788

Commelina
mt woods fl white

21789

Ruellia
small flower 1-2 ft fls
pale blue

21790

111
Desmodium
fls red-milky

21791

Cyperus
Along road

21792

Diplazium sp.
fls
moor marsh pond 3 ft

21793

Cyperus
severely stunted 6-12 ft fls
yellow

21794

Compositae
Along trail fls white

21795

Compositae
Open ground fls yellow

21796

2-3 ft fls white
banks of open stream

21797

Sporobolus
Looks like sweet potato.
Clay shape in moist woods
fls light purple

21798

Cucurbit
Herbaceous fls greenish white

Panicum laxum

21799

Panicum
Probably *P. laxum* but very
large

21800

Begonia
moist bank

21800½ *Begonia*
moist bank

⑤ 21801

Isomrae? Rutine
5 ft. Moist woods, fls pale
yellow bracts dark red

⑤ 21802

Delibonia
Moist woods, leaves 10 ft
pale green, terminal drooping
bracts scarlet blades 3 ft
fls pale yellow

③ 21803

Ruellia
Shrub in wet woods 8 ft
fls white

① 21804

Orchid
Terrestrial fls white

21803

Ruellia
Shrub 10 ft fls dark purple

21806 *Lasiacis sorghoidea*
Edge of woods

① 21807 *Axonopus scoparius*
Grassy bank

① 21808 *Lasiacis sorghoidea*
Edge of woods

① 21809 *Panicum sciurotis*
Grassy bank

① 21810 *Axonopus scoparius*
Grassy bank

③ 21811 *Solanum*
Stems 10 ft fls blue

① 21812

Shrub

Desmanthus
3 ft

1

③

21815

Desmanthus

21815

Open shrubby dry ground

① 21813

Orchid

1

On tree. fls creamy
at base white above on inside
Lip purple-brown spotted on lined

③

21816

Scitamus?

21816

On tree. brach several

21816 is type of *Pitcairnia hitchcockiana* L.B. Smith
1954

③ 21814

Eupatorium bullatissimum
Compositae
Edges of woods Robus
type

③

21817

Hypoxis

21817

Open ground along trail

Mikania Hitchcockii Robinson
n.sp.

③ 21818

Compound

Strongly ridged very like
branches for white
Edge of woods

③

21819

Scroph

Mats on open ground

①

21820

Sesuviae

More shady place

③

21821

Melastom

Open ground fls white
2-5 ft.

①

Pennisetum peruvianum

21822

Pennisetum

Shrubby or grassy banks
5-8 ft.

③

21823

Rubus

Among shrubs fls white

③ 21824 *Melastom*
Small tree 15 ft fls white

④ 21825 *Urtica* - *Pilea*
On old stump.

③ 21826 *Axonopus scoparius*
Axonopus
In very bank

③ 21827 *Cleome*
Moist open place, fls light
salmon

③ 21828 *Polypodium fuscopunctatum*
Pom Hook.
On log.

② 21829 *Hemidictyum marginatum*
Hem (L.) Presl
In woods

③ 21830 *Alcea rosea*
Edge of woods, fls magenta

③ 21833 *Rubiac* 18318
Shrub 6-8 ft fls yellow
leaves dark red

③ 21831 *Malva*
Along trail in open ground
fls white with purple eye

① 21834 *Commelin* 18319

③ 21832 *Melastomaceae*
2-4 ft fls white
Open ground by woods

① 21835 *Scabroae* 18320
3 ft more woods, fls
pale yellow, black, purple
at tip.

③ 21836

Shrub 6 ft. fls red borne
on old wood

① 21839

On dead
All green fl dull red

③ 21837

Clione
Mossy leafy plant fls
salmon-pink

① 21840

Lilac
Mossy bark fl white

③ 21838

Pteris reticulato-venosa Hieron.

Flora
Wood

③ 21841

Geranium
Mossy rich bark fl white

① 21842 *Paspalum purgensii*
Sunny near bank

③ 21843 Compound
3-4 ft. fls yellow
Open fields

③ 21844 Begonia
Wet bank

③ 21845 Melastomaceae
Shrub fls white

① 21846 Gesneraceae
Shrub woods

③ 21847 Melastomaceae
Shrub 8-10 ft fls white

③ 21848 *Ruellia*
Shrub fls white

③ 21849 *Desman* 11
Shrub fls yellow
Wet woods

④ 21850 *Oxalis* 1
Wet bank fls yellow

③ 21851 *Apocynum* 94812
Shrub fls white

③ 21852 *Desman* 11
fls vermilion Wet shady bank

③ *Pseudechinolaena polystachya* 11
21853 *Pseudechinolaena polystachya*
Shady wet bank 94813

③ 21854

Wm

Cuscuta
fls salmon reddish

③

21855

Woods

Onyopteris sp.

fern

①

21856

Lasiacis ligulata
L. ligulata

③

21857

Solomon

40518

Wet open ground
fls white

①

21858

Ichnanthus pallens
Ichnanthus
shady bank

③

21859

Cyperus

shady bank, fls whitish

③

21860

Cissampelos
near bank fls

③

21861

Broussin
An old fls yellow

④

21862

Panicum hebot
Open near bank

①

21863

Lasiacis ligulata
Lasiacis

①

21864

Cyperus
near bank

③

21865

Cyperus - selenis
near bank

③ 21866 *Sesuvium*
Moist shady bank
fls scarlet

① 21867 *Panicum laxum*
Panicum laxum
Moist ground

③ 21868 *Melastoma*
Shrub fls white

Selaginella sp.
③ 21869 *Lycopodium* 20815
Moist ground

③ 21870 *Sesuvium*
Moist shady place fls white

Ichnanthus pallens
① 21871 *Ichnanthus* 20815
Shady bank

③ 21872 *Compositae*
Open ground fls white

③ 21873 *Compositae*
Shrub fls white

③ 21874 *Solanum*
Wet woods fls yellow

③ 21875 *Mukania pastazae* Robinson
~~*Eupatorium*~~ type
Vine fls white

③ 21876 *Eupatorium Hitchcockii* Robinson
10 ft fls pink type

① 21877 *Solanum*
fls white

③ 21878 *Ichnanthus pallens* III
Ichnanthus
moist bank

① 21879 *Panicum laxum*
Panicum
moist shady ground

③ 21880 *Compositae*
3-5 ft fls white

③ 21881 *Compositae*
along bank fls white

③ 21882 *Verticillium*
10 ft fls white

③ 21883
small tree - 15 ft fls white
more woods

③

21884

Sesuvia
Shrub fls yellow

11

①

21887

Arise
Wet woods

1881

③

21885

Lily or orchid
Infls white Shady place

111

③

21888

Solanum
fls yellowish white

1881

③

21886

Piperomia
An. log

①

21889

Sesuvia
Moss bank fl

1881

① 21890

Shrub

Eupatorium

16 ft

fls white

③

21893

Lesmeria

more bank

0281

③ 21891

Acanthaceae

///

fls white

open ground

③

21894

Lasiacis oaxacensis

Lamium

///
1081

③ 21892

Brachia

Creeping in more open ground
fls green

①

21895

Chloris radiata
Chloris

SP81

open ground

①
21896

Orchid
On tree
brown spots top yellow

③
21897

Selaginella sp.

Lycopodium
Moss

③
21898

Compositae
8-12 ft

1855
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1999
2000

①
21899

Cyperus
a plant on way to
arrivals

③

21900

Stipa mucronata

Stipa
On adobe wall

3

21901

Eragrostis pastorensis

Eragrostis
On adobe wall

3 21902

Chaetochloa pumila
Chaetochloa pumila
On adobe wall. Spikes many,
purplish

1 21903

Eragrostis pilosa
Eragrostis pilosa
On adobe wall

1 21904

Arundo donax
On adobe wall fls greenish
white

3

21905

Nealloma
On adobe wall

3 21906

Tillandsia
On dry hill between Bonos & Amelias
fls ~~pink~~ yellowish green

42 21907

Opuntia
On hill fls rose

21908

Axonopus compressus

Grassy hill

21909

Briza mandouiana

Grassy hill

21910

Cenchrus
Grassy hill. fls. white

3

21911

Andropogon condensatus

Grassy hill - Only a few inches to
4 ft. high in a little clump, seen to
be a form of *A. sanguinalis* (condensatus?)

3

21912

Paspalum boxlandianum & *glabrescens*

Grassy hill

1

21913

Stipa ifarrensensis

Grassy hill

3 21914 *Eragrostis lugens*
Wetland
Sunny hill

1 21915 *Andropogon hirtiflorus*
Andropogon
Sunny hill

1 21916 *Oplismenus burmanni*
Oplismenus
Sunny hill

1 21917 *Arachis*
In fields - dry hill

3 21918 *Cheilanthes myrsophylla* Desv.
Fern
Rocky cliff

3 21919 *Andropogon lateralis incanus*
Andropogon
Rocky hill

3 21920 *Stipa mucronata*
Stone wall

3 21921 *Muhlenbergia ciliata*
Rocks cliff

1 21922 *Aegopogon anchroides*
Rocks cliff

1 21923 *Festuca megalura*
Rocks cliff

3 21924 *Notholaena bonariensis* (Willd.)
Rocks cliff c. chr.

3 21925 *Lupinus*
Rocks cliff 2-4 ft shrubby

3 21926 *Festuca procera*
Eragrostis indica
Grassy hill

3 21927 *Croton*
Dry hill Shrub 2-6 ft

3 21928 *Euphorbia*
Tree 15-25 ft. Along roadside
grassy. Possibly planted
muddy pine

3 21929 *Asplenium*
Tree along fence (planted?)
Near Ambato

3 21930 *Asplenium* on *Apocynum*
Grassy area, under plants along road
Near Ambato

Quito - Oct. 1 *Eragrostis patula*
3 21931 *Eragrostis*
Open ground along street

1 21932 *Eragrostis nigricans*
Open ground along road

3 21933 Orchid 11
Given by Mr. Söderström
from his garden
2 petals white, 2 yellow lip
purple marked.

1 21934 Orchid -1
dull
spots petals yellow & brown

Orchid 1
1 21935 dull
long pale yellow with brown
spots, stem slender.

3 21936 Orchid 11
dull fls yellow & brown

2 21937 Orchid 11
dull fls petals more black
lip white

Chimborazo - Oct 4. Stopped at Urbina
Station and it gladden again. Ascended to top of
21938 alt 5 paramo - Urbina (11841 ft) (4545 m)
Silliman (3588 m) - 111

About 14000 ft - fls yellowish orange, large
with red & with dark red veins

1 21939 Geranium
14000 ft fls light rose

1 21940 Composite
12500 ft fls yellow

1 21941 Scroph
12500 ft fls yellow

2 21942 —
12500 ft fls white - a dense head
level with ground.

1 21943 Plantago
12500 ft

✓ 21944 *Festuca subulifolia* 11
Festuca
Bunch grass - very common at
12500 - 13000

✓ 21945 *Plantago* 1
12500

3 21946 *Compositae*
12500 fls yellow

3 21947 *Ranunculus* 11
12500 fls yellow

✓ 21948 *Poa pardoana* 1
12500 fls

21948½ - *Briza mandoniana*

✓ 21949 *Calamagrostis humboldtiana* 11
Calamagrostis
Bunch grass - 12500 ft
common 12500 - 14000

21950

12500

Agrostis pittieri
Calamagrostis

1

21951

Festuca subulifolia
Festuca

Branch grass 12500 common

21952

12500

Compositae

Along road (at the ditch)
fls creamy white

21953

12500

Compositae

Along irrigation ditch
fls yellow

21954

14000 ft

Compositae

fls yellow

Calamagrostis coarctata

21955

14500

Calamagrostis

11

1 21956 *Poa cucullata* /
15000 ft

3 21957 Scroph.
14500
= 1941?

1 21958 *Bromus lanatus* /
14500

3 21959 — 36812
13000 forms large pulvulus
1/2 gram

1 21960 — 36812
15000 ft

① 21961 Scroph 36812
15000

③ 21962 *Astragalus*
15000 ft fls dark blue

③ 21963 *Composit*
15000 ft forms large patches
fls white

③ 21964 *Lycopodium crassum* Willd.
15000 ft *Lycopodium*
plant salmon red

③ 21965 *Silene*
15000 ft at upper limit of
migration

③ 21966 *Composit*
15000 ft fls in infls, sometimes
2, rarely 3, "Freilejon"

③ 21967 *Poa cucullata*
15000 ft *Poa*
culm mostly single

③ 21968 *Calamagrostis (aurea) ligulata*
15000 ft *Trisetum?*

③ 1 21969 *Composit*
15000

③ 1 21970 *Composit*
15000

③ 21971 *Jamesonia brunnea maxon*
15000 *Fern*

③ 21972 *Composit*
15000 from small patches
for yellow

③ 21973 *Composit?*
15000 aspect of *Composit*

21974 Composite 1
15000 ft. white

21975 Gentian?
15000 ft. blue

3 21976 —
15000 ft. forms patches
greenish white

21976½ Leguminosae

3 21977 Silene? 15000 ft.
white small patches

Festuca distichovaginata
3 21978 Festuca
14000 ft. bunches common

Bromus lanatus
1 21979 Bromus
14000 ft. culms more or less
panicled decumbent - aspect of
B. polare.

Calamagrostis recta

4 21980

Calamagrostis

14000

Brush grass

common

at 12-14500

Festuca andicola

1 21981

Agrostis

common

Agrostis breviculmis

1 21982

Agrostis

14000

Danthonia sericeantha

43

21983

Danthonia

14000

Brush 2 ft diam, radiating

Only seen in one locality

1 21984

Poa? Poa cucullata

14000

Culm. mostly single

Calamagrostis jamesoni

1 21985

Calamagrostis

14000 ft

3 21986

Poa padana

111

14000 Branches, lower
branches of panicle reflexed, common

3 21987

Scroph

14000 mats fls lilac

3 21988

Gromm

fls

21989

Silene

13000

14000 fls white

5

21990

Silene

14000 somewhat larger than
the preceding, fls white

3

21991

Gerardia

13500 fls lilac-mauve

3 21992 Ranunculus
13540 fls yellow

1 21993 Agrostis breviculmis
13540 Agrostis

1 21994 Festuca subulifolia
13540 F. subulifolia
Bunch grass

3 21995 Compositae
13540 small tufts dark
with purple, fls yellow

2 21996 Silene
13540 = 1990?

1 21997 Compositae
13540 rays blue - to many red

3 21998

13500

Gentiana
fls blue

2 21999

13500

Agrostis pittieri
Agrostis

1/

21999 $\frac{1}{2}$ *Calamagrostis coarctata*

21999 $\frac{1}{3}$ *Poa subspicata*

3 22000

13500

Common
fls

3

22001

13500

Common

Small patches
appears to be a mixture here

22002

13500

Agrostis breviculmis

Agrostis

rather common

1

Bromus lanatus

22003

13500

Bromus

Basal vegetation high
Partake same as 21999 but longer

1

Poa pardoana

✓ 22004

13000

= 21456

Poa

Bunch grass common

Wetland (11841 ft - station) on S & Q R
bank of Chukarayo. Patrimio. Plants
cultivated along R₂ - on banks of cuts or ditches

22005

Plantae?

[Brought in by helper]

3 22006

Rice?

Patch along bank

Agrostis breviculmis

22007

Agrostis

Side of cut

22008

Unidentified

22009

Compositae

bes yellow

2
22010 Castilleja
pls search

11

1 22011 *Poa annua*
Poa annua

3 22012 Umbellifera

4 22013 Composite (Euphorbia)

3 *Agrostis breviculmis*
22014 *Agrostis*
Ds in same 5 on collected higher up

1
22015 *Agrostis virescens*
of 1989 *Agrostis*

³ 22016

Agrostis virescens
Agrostis

¹ 22017

Poa cucullata
Poa

³ 22018

Nassella laevis
Stipa
Branches along cut

⁴

22019

Miscanthus? Agrostis?

³

22020

Calamagrostis coarctata
Miscanthus

³

22021

Large bunches on postle

3 22022

Herbage in mass from top of
hill

3 22023

— Dactylis?
Herbage in mass from top of hill.
Also in patches on level ground.
Common.

2
22024

Suriana

11

3

22025

Suriana
fls white or pink

22026

Poa subspicata
Eriosema?

1

3

22027

Trifolium
fls white or pink mixed

111

1 22028 *Festuca australis*
Festuca /
Annual

1 22029 *Fisetum spicatum* /
Fisetum

3 22030 *Festuca subulifolia*
Festuca
Bush (nm) - common

1 22031 *Selinum* /

3 22032 *Scroph?*
Moss root deep

3 22033 *Oreog (Lepidium)*

3 22034

Plum Tap

3 22035

Along bank of cut, low level
growing for many problems on
thick mats

3 22036

Conspicuous

22037

altrid 6

2005-?

22038

Costilleia

22039

Sileneae
punctate mid drop / as not
Alpinum

3 2203

3 22040

Selenia
Annual - prostrate - open ground

3 22041

Oxalis
Mars
open ground.

22042

Lathyrus
fls rose much purple spots

3

22043

3 44 45
3 47 2 46
3 48
3 49
3 22050

2082
1748

294

